

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 03/18525

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G02B5/20 G02F1/1335 G06K11/12 G02B5/00 C09J7/02 C09J123/00 B32B7/06		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G02B G06K G06F C09J B32B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ, WPI Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 196 861 A (MINNESOTA MINING & MFG) 8 October 1986 (1986-10-08) page 5, line 11 -page 6, line 22; figure 2 ---	1-5
A	EP 0 599 451 A (BALTEA SPA) 1 June 1994 (1994-06-01) figures 2,3 ---	1-5
A	US 5 707 704 A (AKO SATOSHI ET AL) 13 January 1998 (1998-01-13) claims 1-3,5,7-12 ---	1-3
A	EP 0 808 885 A (NITTO DENKO CORP) 26 November 1997 (1997-11-26) page 5, line 32-44 page 10; table 2 --- -/--	1,2
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
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Date of the actual completion of the international search 30 September 2003		Date of mailing of the international search report 14/10/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016		Authorized officer Lindner, T

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 926 214 A (BRIDGESTONE CORP) 30 June 1999 (1999-06-30) example 1 claims 1-13 -----	1-5
A	PATENT ABSTRACTS OF JAPAN vol. 014, no. 237 (M-0976), 21 May 1990 (1990-05-21) & JP 02 063830 A (SUN A CHEM IND CO LTD), 5 March 1990 (1990-03-05) abstract -----	1-5

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International Application No

PCT/US 03/18525

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0196861	A	08-10-1986	CA 1319341 C	22-06-1993
			DE 3681477 D1	24-10-1991
			EP 0196861 A2	08-10-1986
			JP 2050890 C	10-05-1996
			JP 4058781 B	18-09-1992
			JP 61227029 A	09-10-1986
			JP 8224811 A	03-09-1996
			KR 9309281 B1	25-09-1993
			US 4764410 A	16-08-1988
EP 0599451	A	01-06-1994	IT 227651 Y1	15-12-1997
			CA 2099428 A1	11-04-1994
			EP 0599451 A1	01-06-1994
			JP 6194506 A	15-07-1994
US 5707704	A	13-01-1998	JP 8254811 A	01-10-1996
EP 0808885	A	26-11-1997	JP 9310059 A	02-12-1997
			EP 0808885 A2	26-11-1997
			US 6093464 A	25-07-2000
EP 0926214	A	30-06-1999	JP 11181382 A	06-07-1999
			JP 11181383 A	06-07-1999
			JP 11181384 A	06-07-1999
			JP 11181385 A	06-07-1999
			EP 0926214 A2	30-06-1999
			US 6310612 B1	30-10-2001
JP 02063830	A	05-03-1990	NONE	